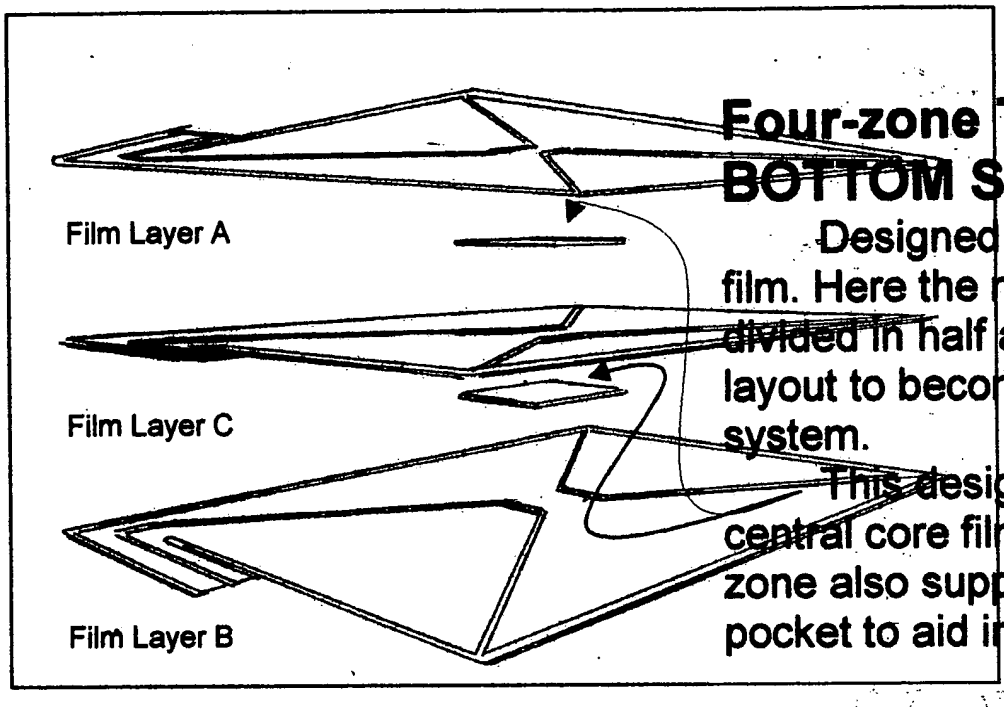
Valveless High Volume Inflatable, Reusable Zoned Packing Pad

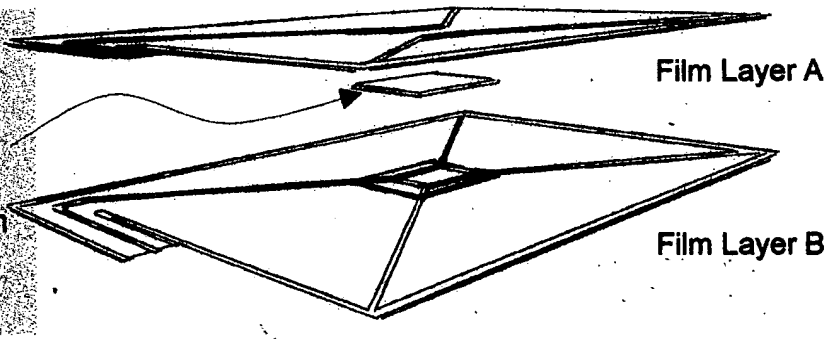


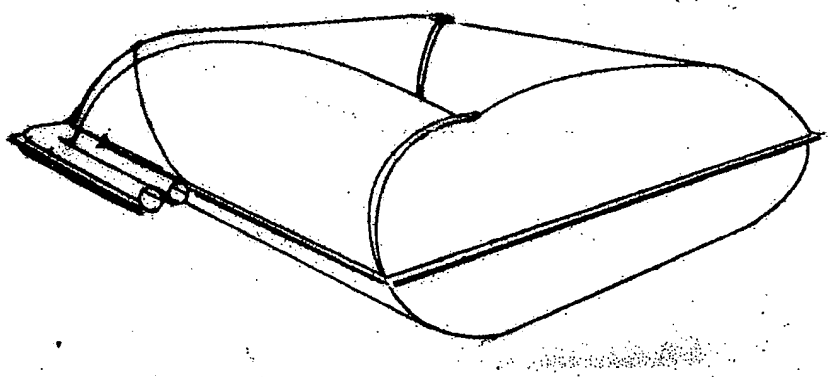
Four-zone TOP to BOTTOM SIDE to SIDE:

Designed with three layers of film. Here the main pad body is divided in half allowing the two-zone layout to become a four-zone system.

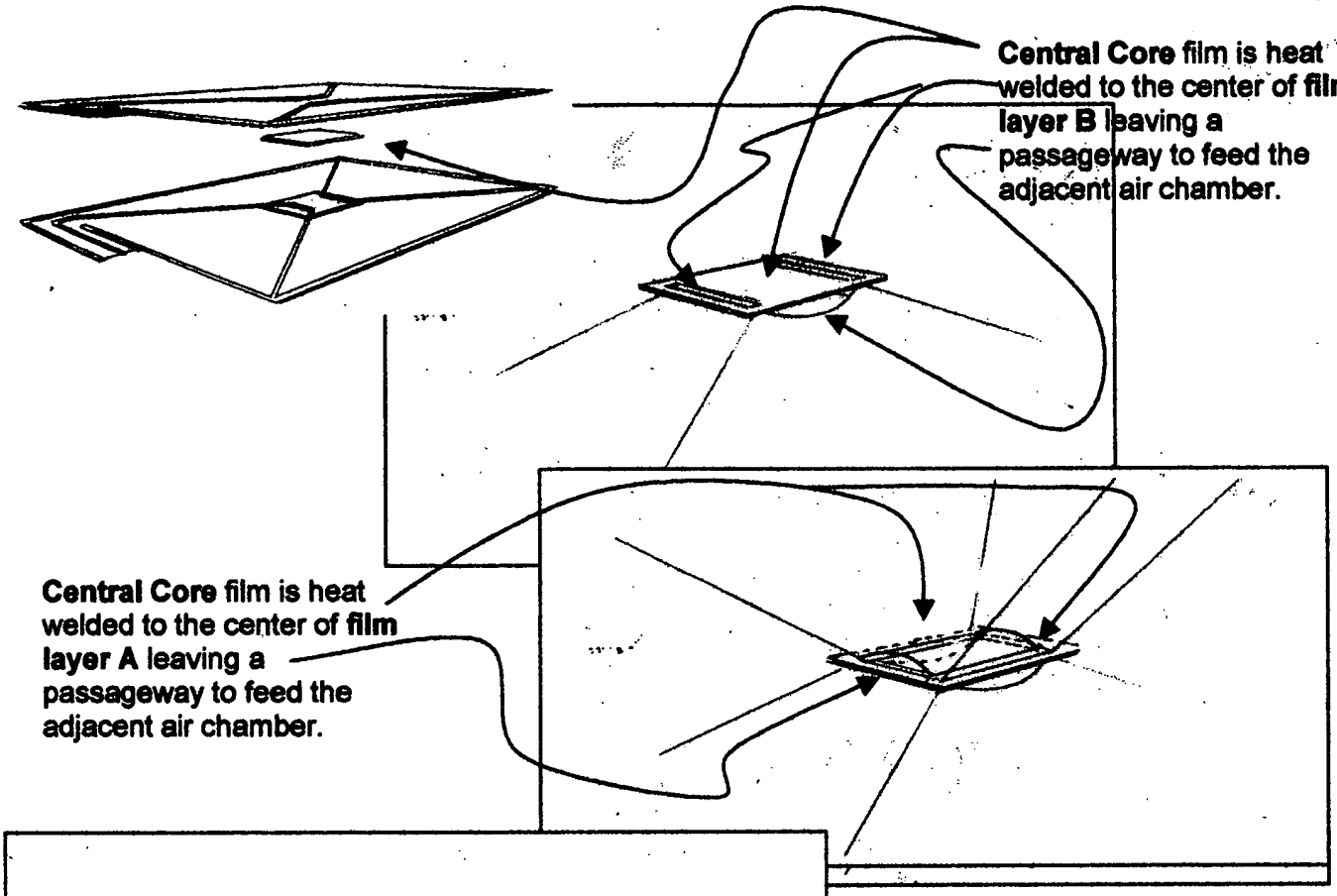
This design will utilize two central core film sections. The four-zone also supports a tuck-away pocket to aid in reusing the pad.

Two- Zone TOP to BOTTOM SIDE to SIDE is simply two film layers that create two separated zones each with multiple air chambers. A central core film creates the passageway for connecting air chambers of the same zone. All pads can be made larger or smaller by adjusting the size of the geometric layout.



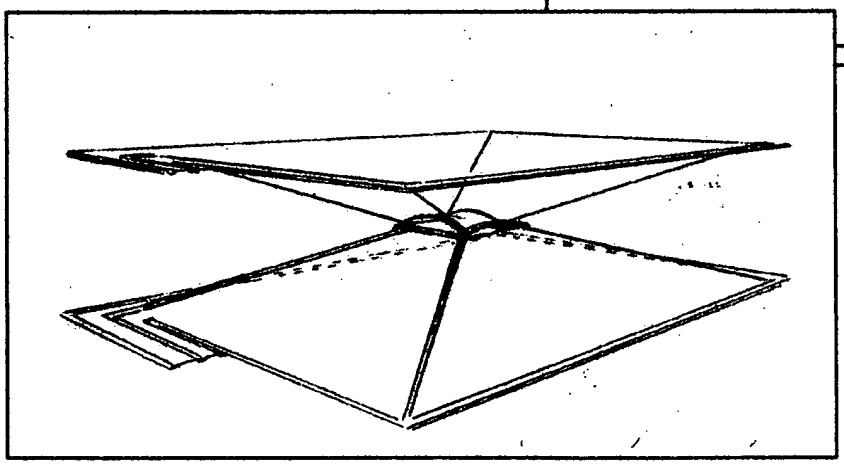


Valveless High Volume Inflatable, Reusable Zoned Packing Pad

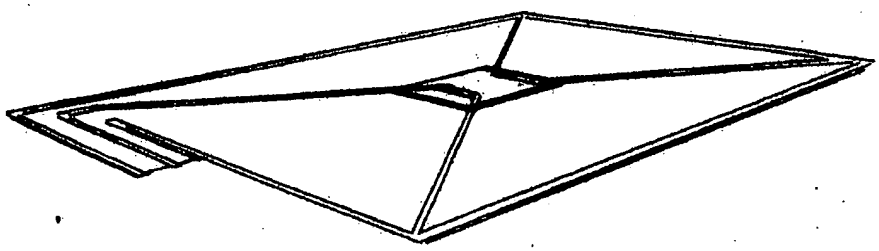


Central Core film is heat welded to the center of **film layer B** leaving a passageway to feed the adjacent air chamber.

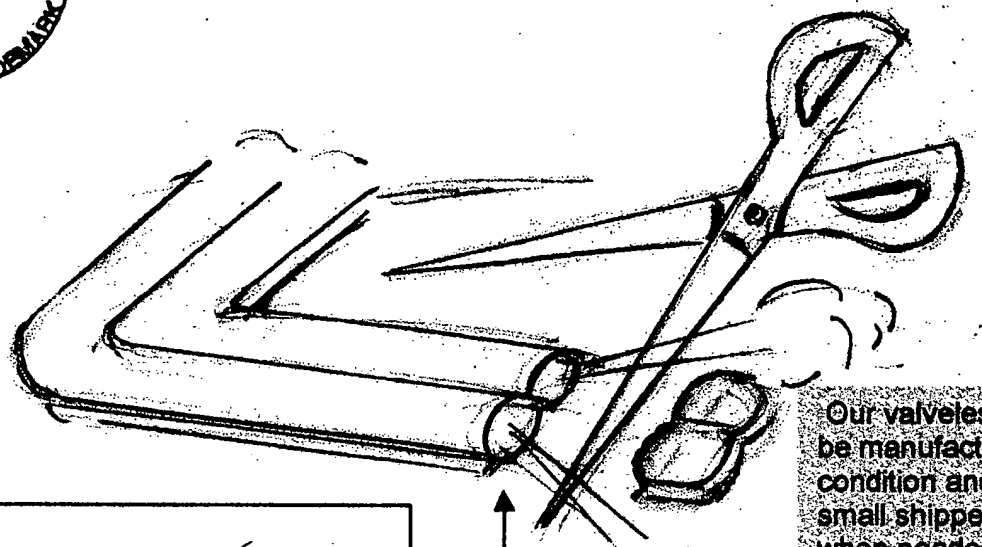
Central Core film is heat welded to the center of **film layer A** leaving a passageway to feed the adjacent air chamber.



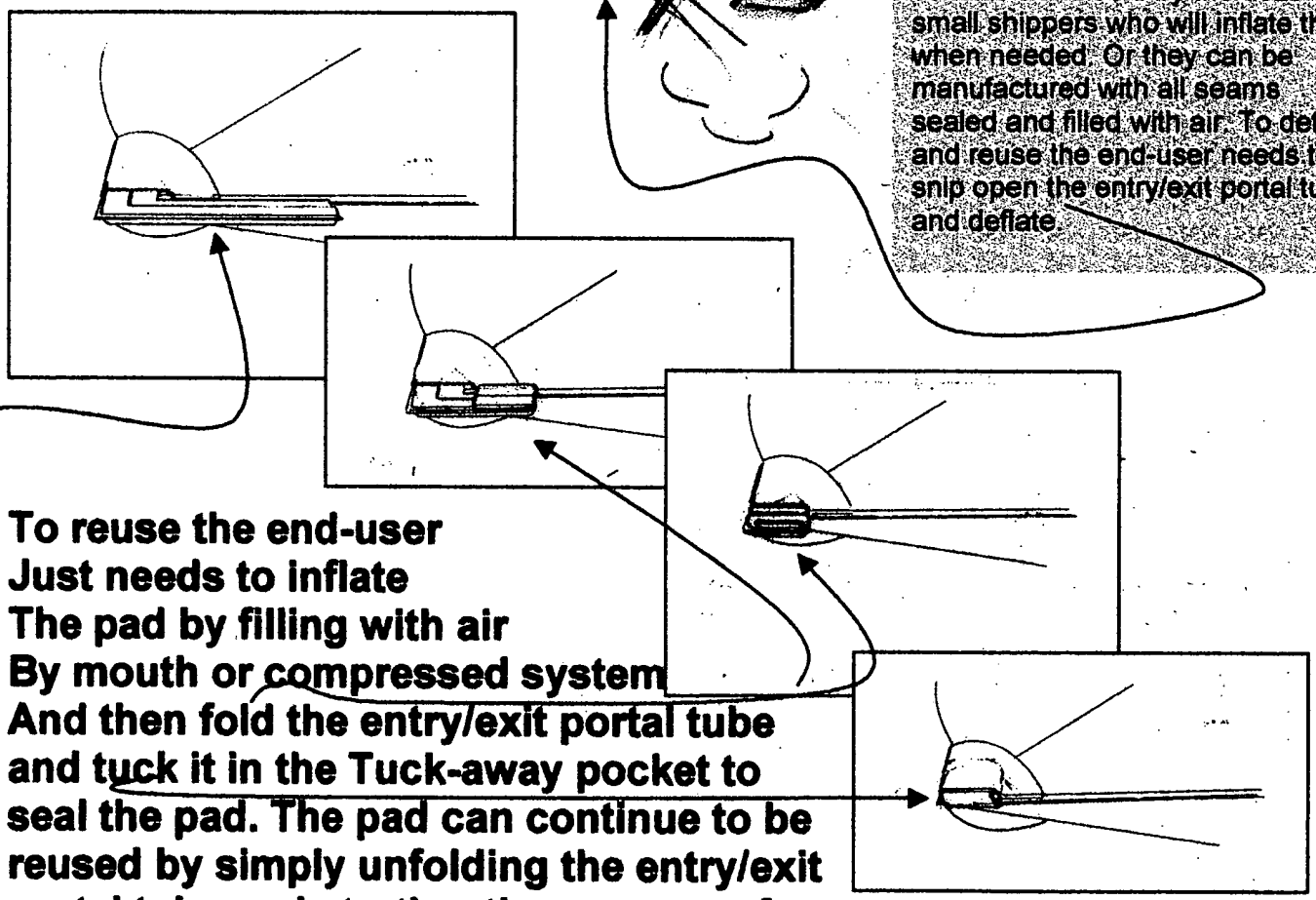
Once the central core film is correctly assembled all exterior seams and interior seams such as the entry/exit portal tube seam and the geometric layout are sealed. At this point add the tuck-away to the seam edge of the left and bottom seams and the pad is complete.



Valveless High Volume Inflatable, Reusable Zoned Packing Pad

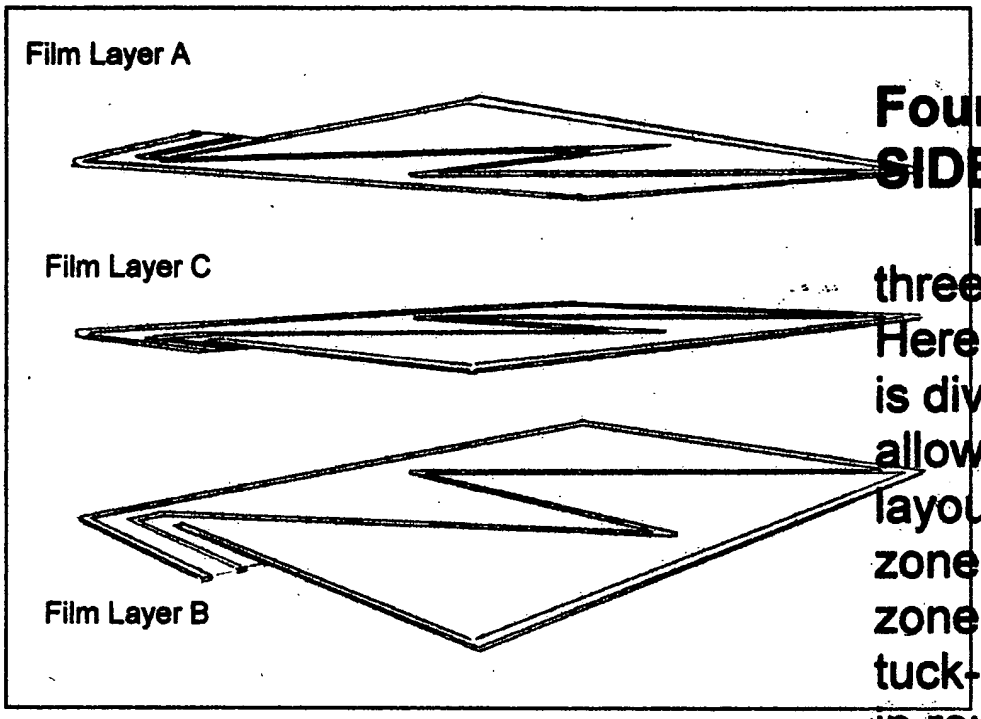


Our valveless packing pads can be manufactured in a deflated condition and sold by the dozen to small shippers who will inflate them when needed. Or they can be manufactured with all seams sealed and filled with air. To deflate and reuse the end-user needs to snip open the entry/exit portal tube and deflate.



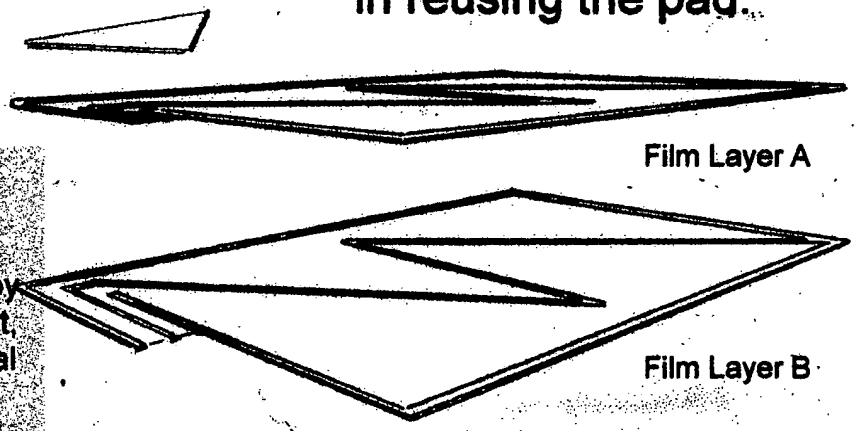
To reuse the end-user Just needs to inflate The pad by filling with air By mouth or compressed system And then fold the entry/exit portal tube and tuck it in the Tuck-away pocket to seal the pad. The pad can continue to be reused by simply unfolding the entry/exit portal tube and starting the process of deflating and inflating as described above.

Valveless High Volume Inflatable, Reusable Zoned Packing Pad

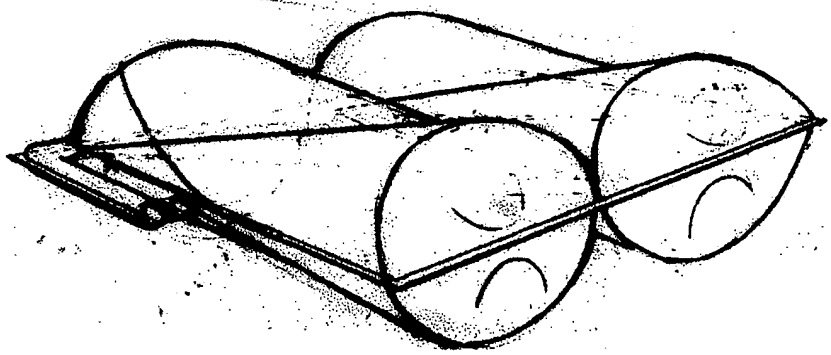


Four-zone SIDE by SIDE:

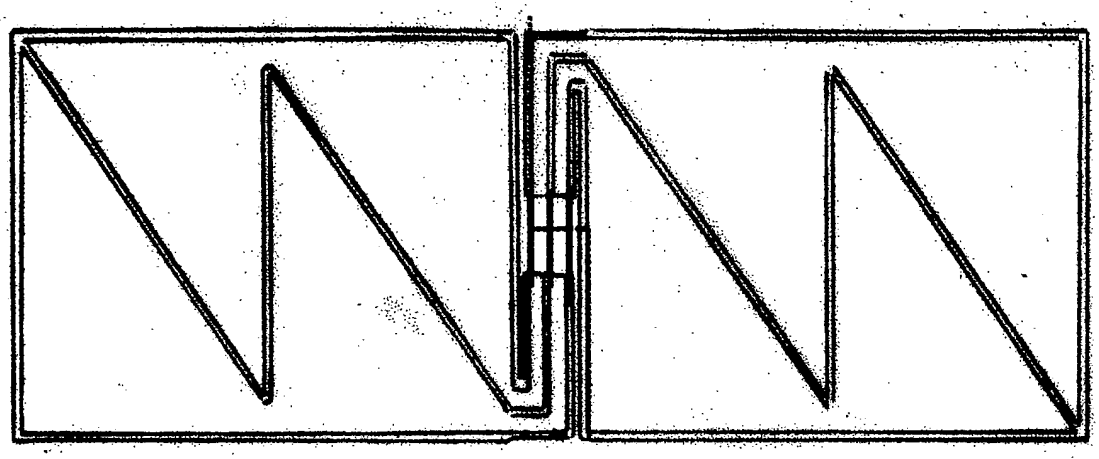
Designed with three layers of film. Here the main pad body is divided in half allowing the two-zone layout to become a four-zone system. The four-zone also supports a tuck-away pocket to aid in reusing the pad.



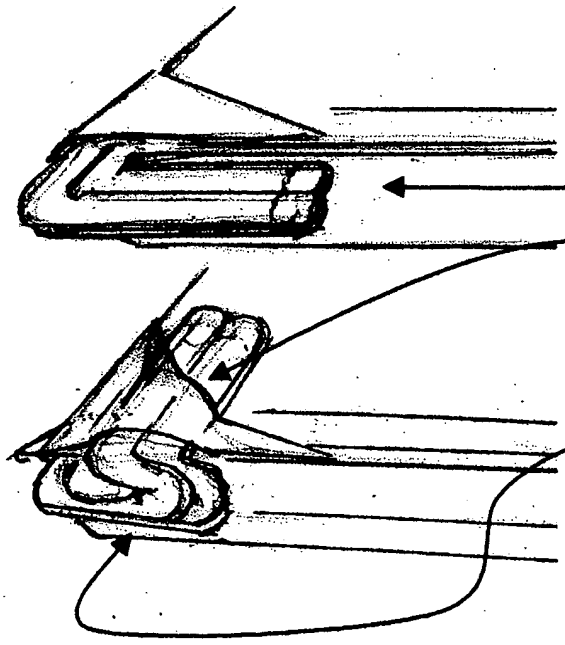
Two- Zone SIDE by SIDE is simply two film layers that create two separated zones each with multiple air chambers. All pads can be made larger or smaller by adjusting the size of the geometric layout, and in some designs by adding additional geometric supporting elements.



Valveless High Volume Inflatable, Reusable Zoned Packing Pad

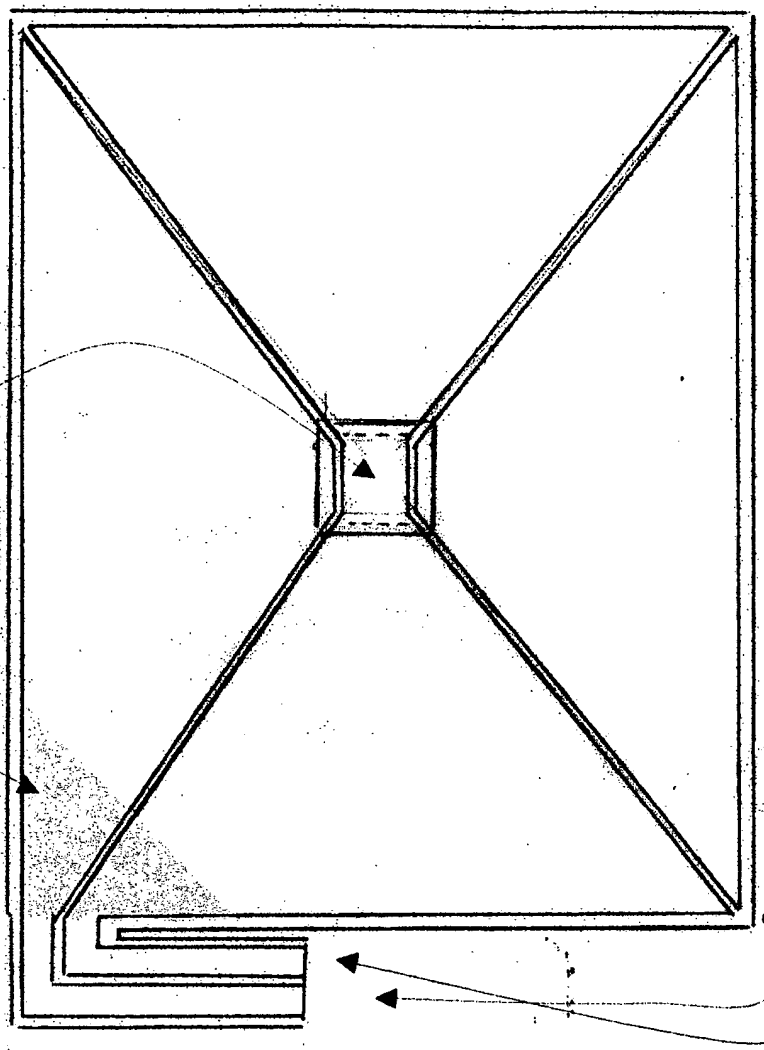


Our valveless-zoned pads can be manufactured end to end, improving raw material usage. Rolled film can produce two pads at one time sealing all seams and inflating pad in one process, pads are separated at the center either by die cutting or a perforated dividing line.



After pad is manufactured inflated and separated, the inflated but sealed entry/exit portal tube is simply tucked into the tuck-away pocket. The tube is sealed closed but it would be placed straight into the tuck-away without folding, in order to remain out of the way during the packing procedure. The end-user would pull this inflated entry/exit tube from under the tuck-away and snip the end to deflate the pad.

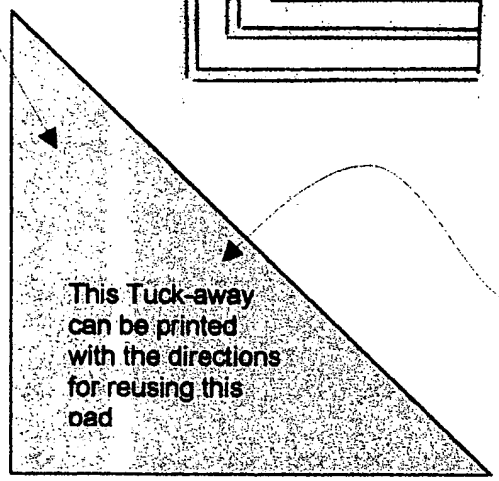
Valveless High Volume Inflatable, Reusable Zoned Packing Pad

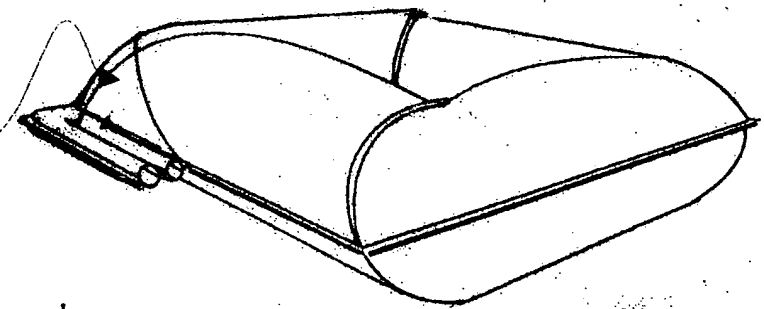


TOP to BOTTOM SIDE to SIDE

This pad design is created with two layers of film for the main body of the pad, a small central core film to allow inflated air crossover within a zone and a small triangle of film for the tuck-away pocket.

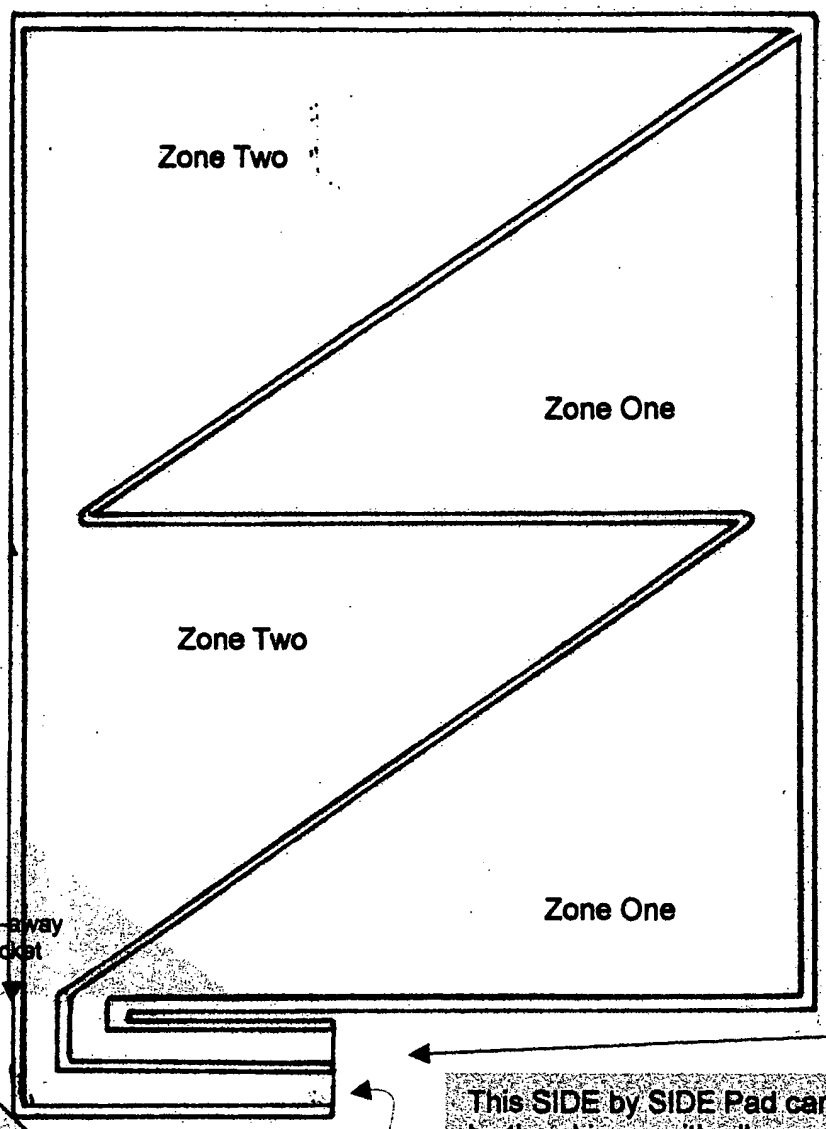
This pad can be manufactured from roll film and be inflated at the time of manufacture. This is similar to the current air pillow that is filled when created. Even the extend entry/exit portal tube is manufactured with its passageway tube sealed closed. In this process the chambers are filled like an air pillow and it will function in the same manner...except for two important differences. The first difference is the pad contains two separate zones and if one is punctured the second unaffected zone will remain inflated. The second difference is this pad is reusable. The end user need only snip the end of the exit/entry portal tube and deflate the pad. To reuse the pad the end user need only fill the pad with air either by mouth or compressed air, then fold the tube up and place it in the tuck-away pocket to seal the pad for reuse.





This TOP to BOTTOM SIDE to SIDE Pad can be manufactured completely inflated by the shipper with all seams sealed. Or can be manufactured deflated with the Entry/exit portal tube open to be inflated at the time of use.

Valveless High Volume Inflatable, Reusable Zoned Packing Pad

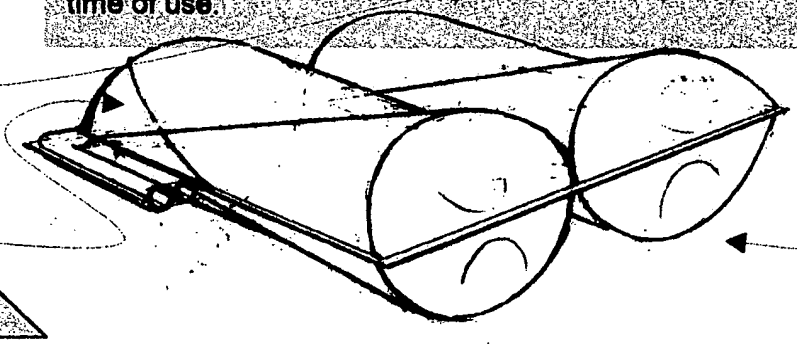


SIDE by SIDE

This pad design is created with two layers of film for the main body of the pad and a small triangle of film for the tuck-away pocket.

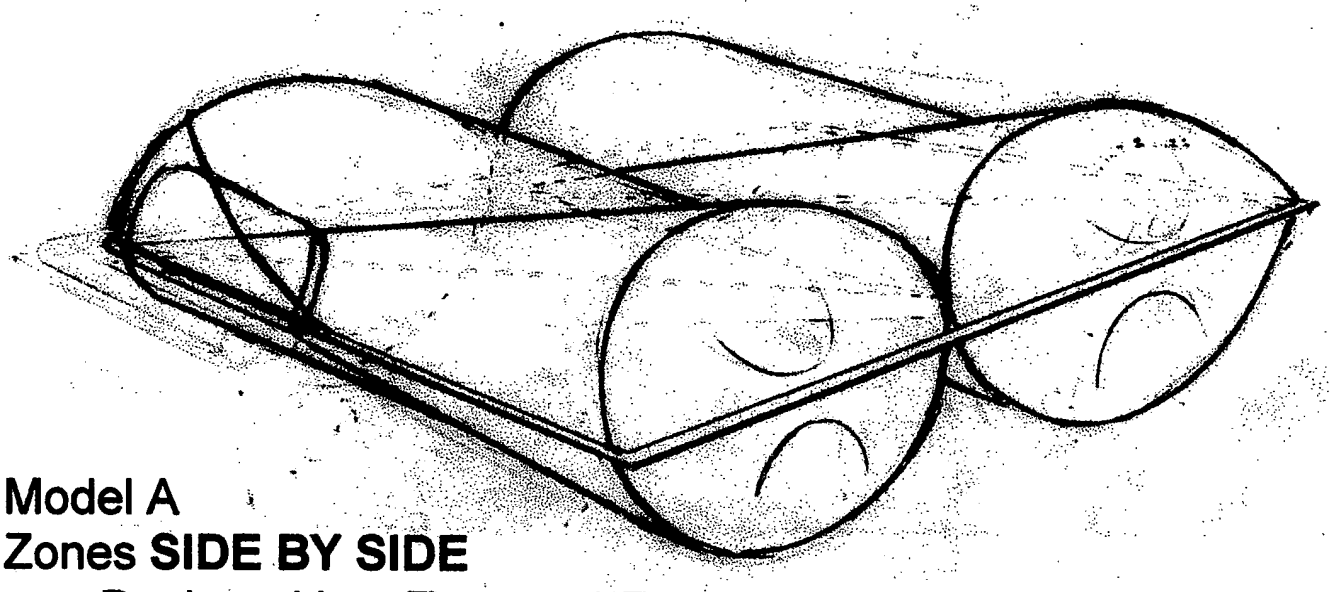
This pad can be manufactured from roll film and be inflated at the time of manufacture. This is similar to the current air pillow that is filled when created. Even the extend entry/exit portal tube is manufactured with its passageway tube sealed closed. In this process the chambers are filled like an air pillow and it will function in the same manner... except for two important differences. The first difference is the pad contains two separate zones and if one is punctured the second unaffected zone will remain inflated. The second difference is this pad is reusable. The end user need only snip the end of the exit/entry portal tube and deflate the pad. To reuse the pad the end user need only fill the pad with air either by mouth or compressed air, then fold the tube up and place it in the tuck-away pocket to seal the pad for reuse.

This SIDE by SIDE Pad can be manufactured completely inflated by the shipper with all seams sealed. Or can be manufactured deflated with the Entry/exit portal tube open to be inflated at the time of use.

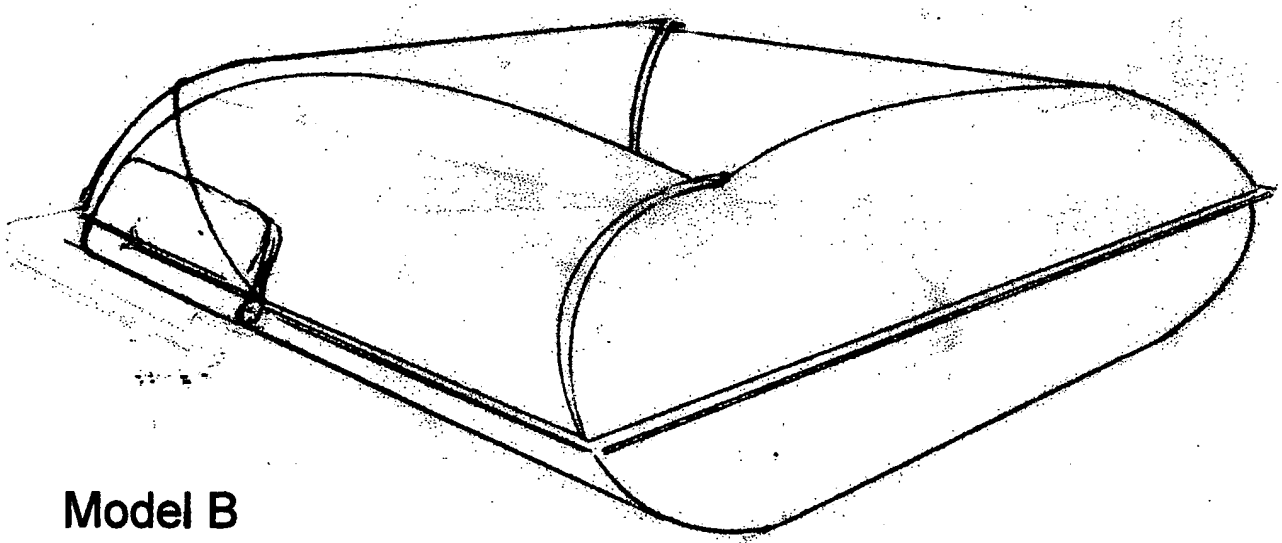


This Tuck-away can be printed with the directions for reusing this pad

Valveless High Volume Inflatable, Reusable Zoned Packing Pad



Model A
Zones **SIDE BY SIDE**
Designed in a **Two and Four Zone Format**



Model B
Zones **TOP to BOTTOM** and **SIDE to SIDE**
Designed in a **Two and Four Zone Format**